

# Quiz #01 – OOP – BSDSF23

27 Feb 2024

15-20 minutes

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Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

**Honor Code:** By signing right, I am declaring under oath that  
I will solve the quiz by myself solely and will not  
take any help from neighboring fellows.

Signature

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Considering a class Vector4d similar to Vector class as discussed in the class sessions, write definition/code for its following member functions (not magic functions) for first three and appropriate magic functions for next two:

Return the magnitude of a Vector4d object.

Return True/False for a Vector4d object a unit vector?

Return dot product of two Vector4d objects.

Return difference of a Vector4d object from another Vector4d object.

Return additive inverse of a Vector4d object.